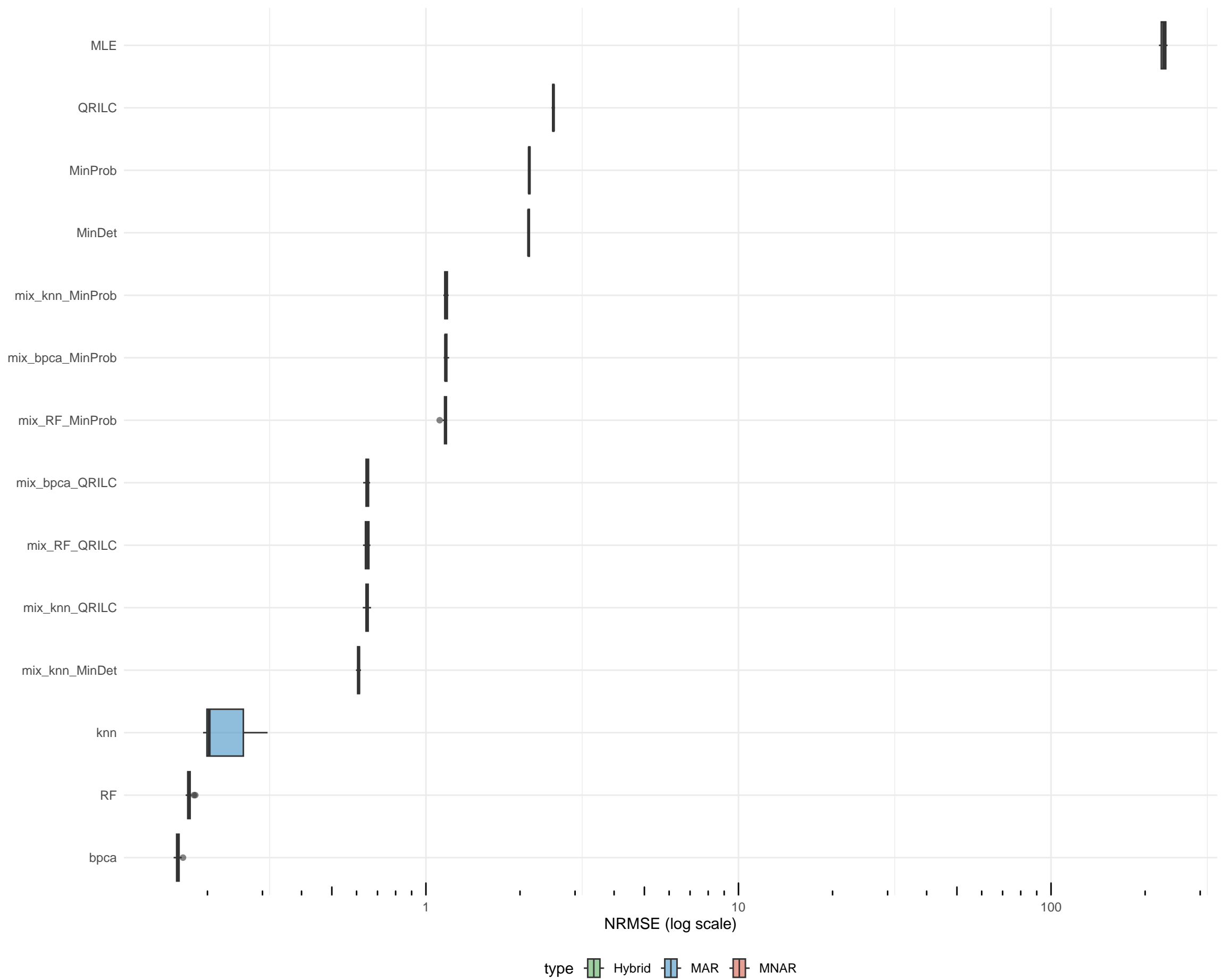
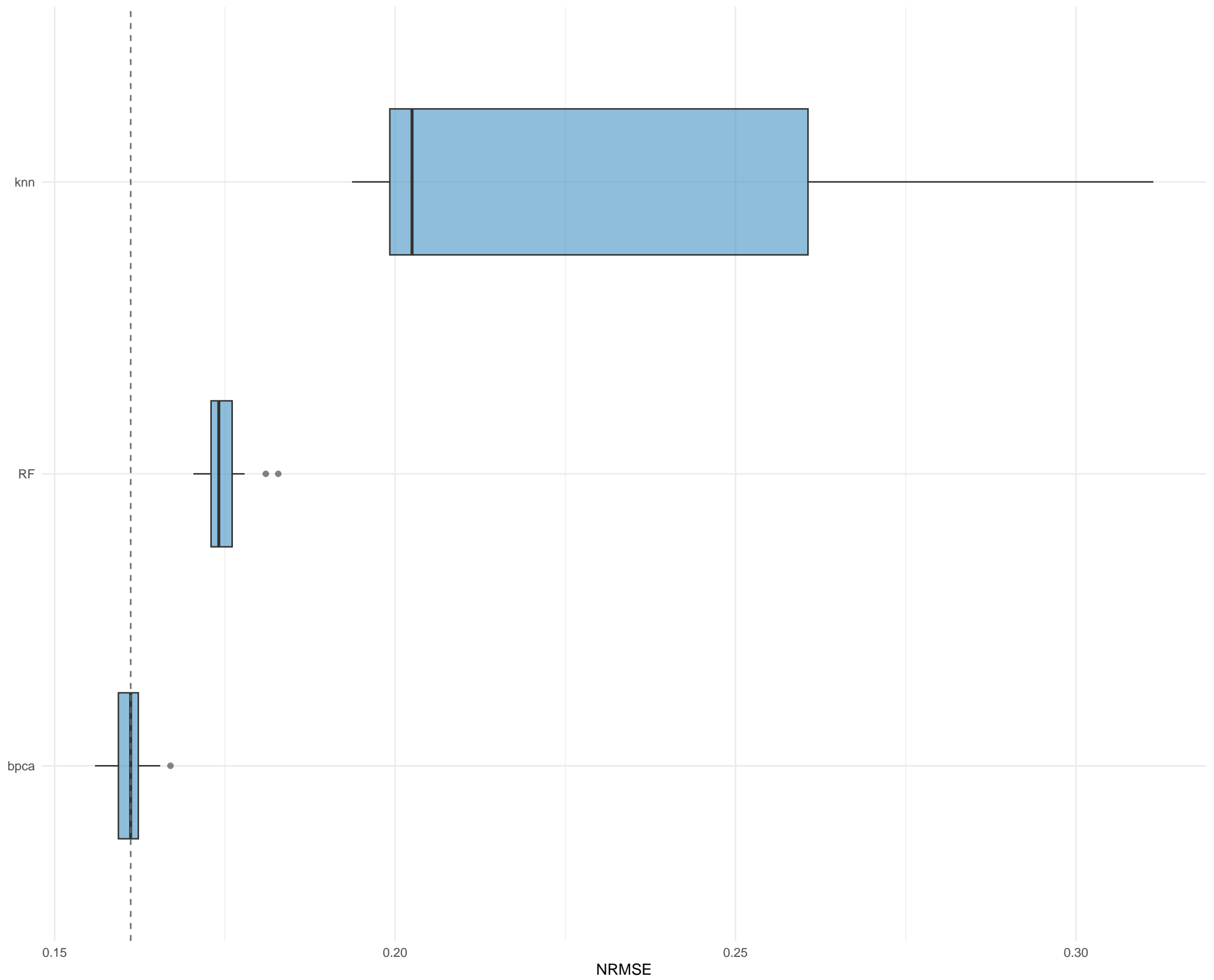


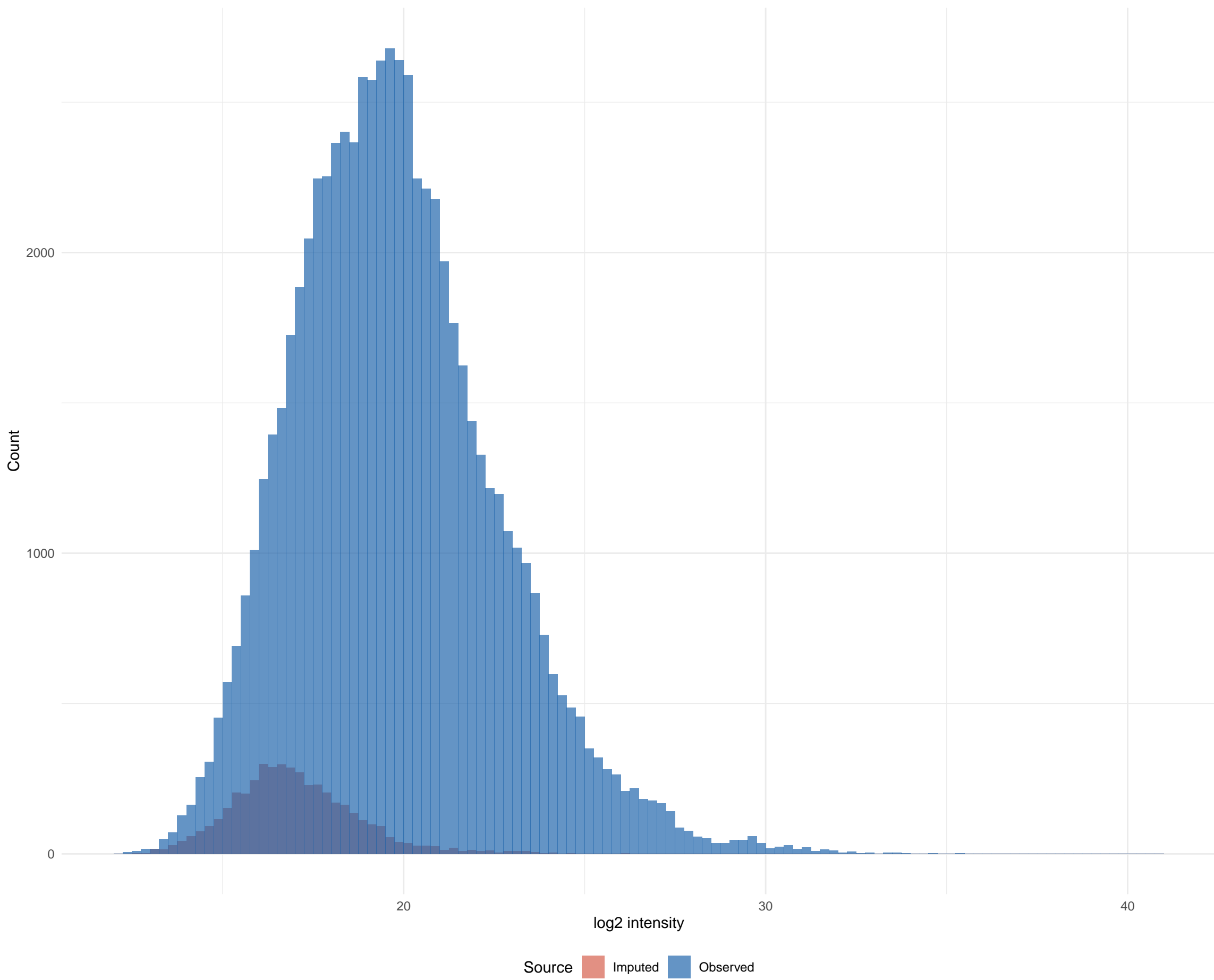
A: Benchmark (best: bpca)



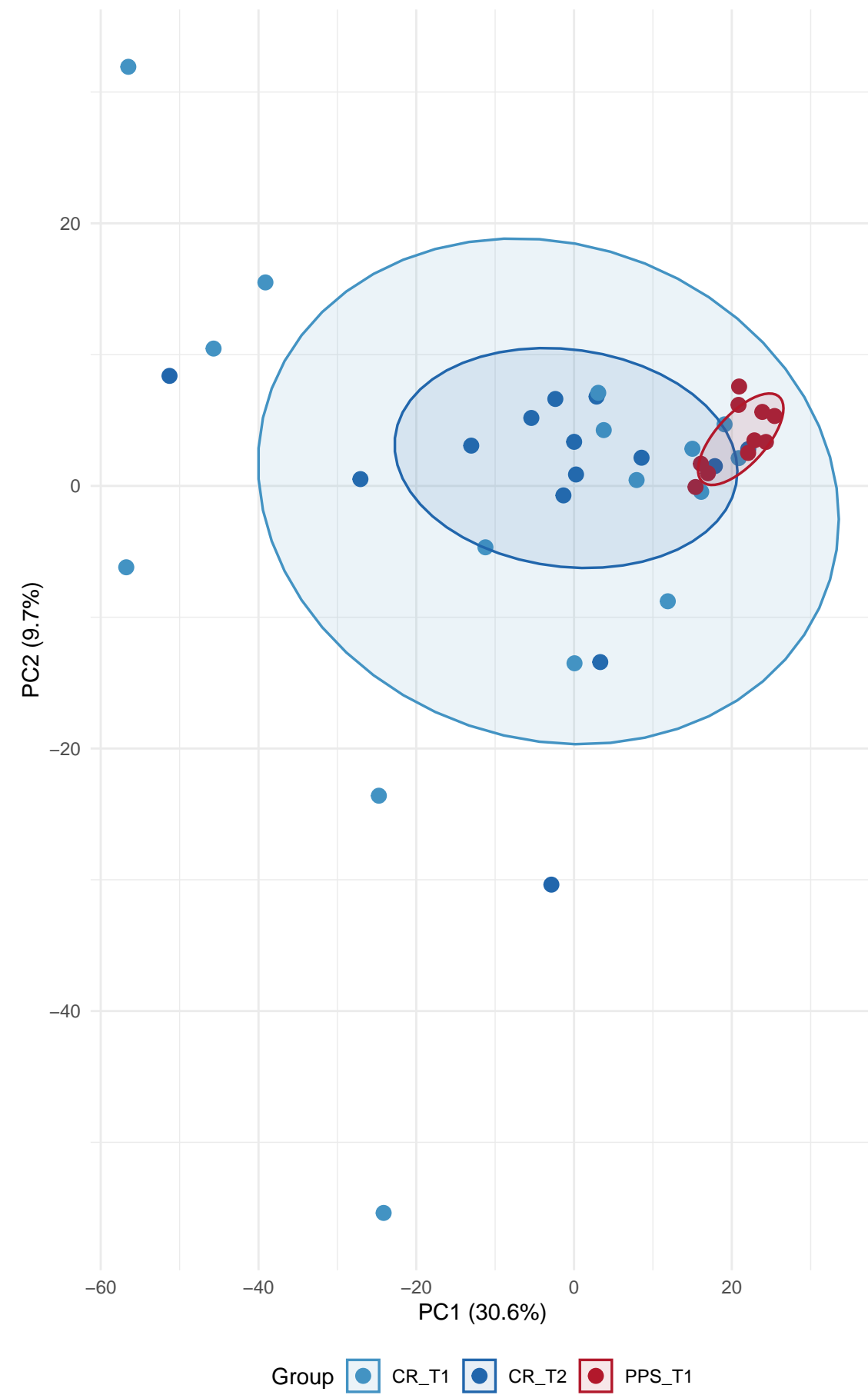
B: Top 3 – bpca 0.1612 | RF 0.1747 | knn 0.2300



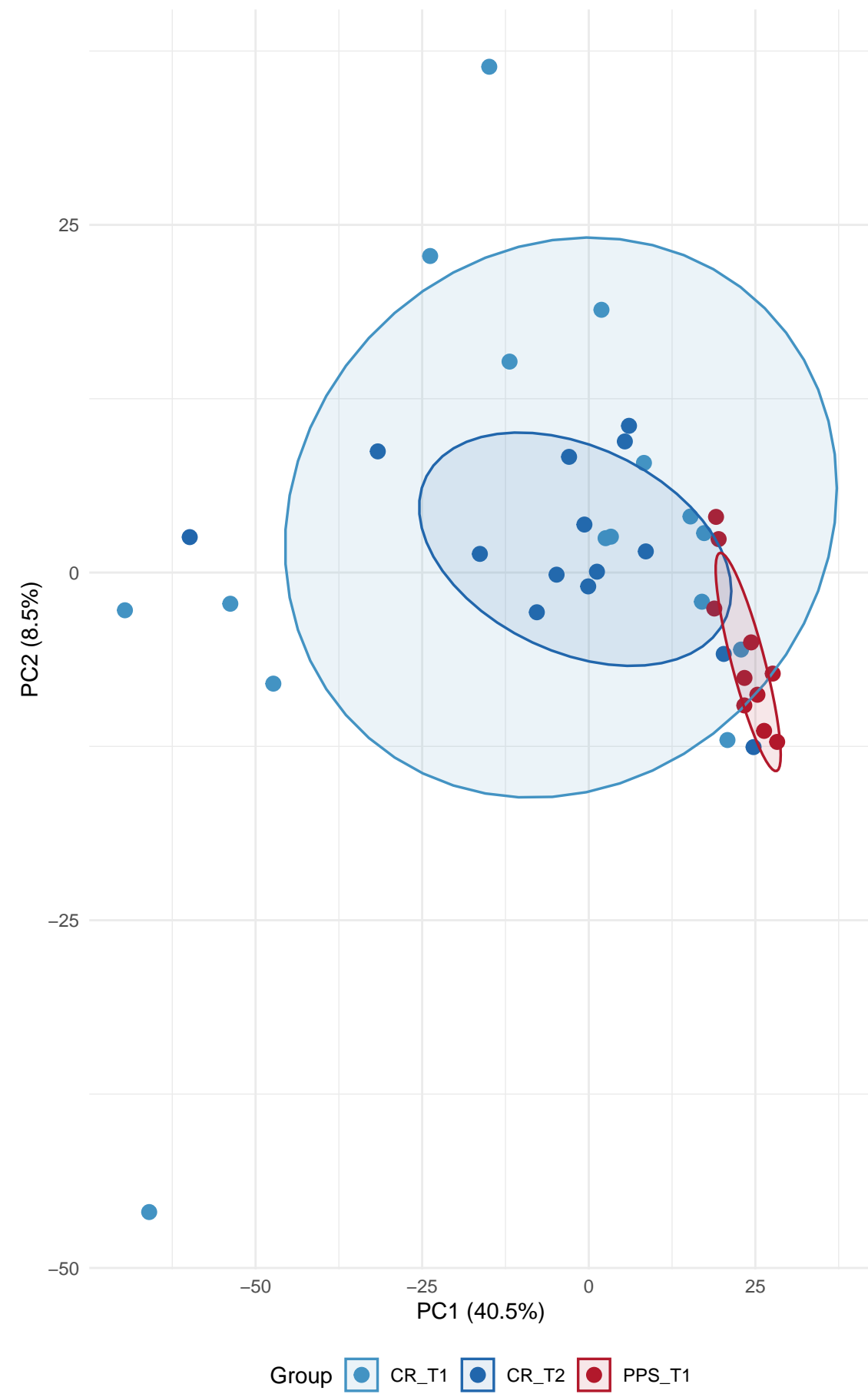
C: Intensity distribution – observed (n=68,680) vs imputed (n=4,480)



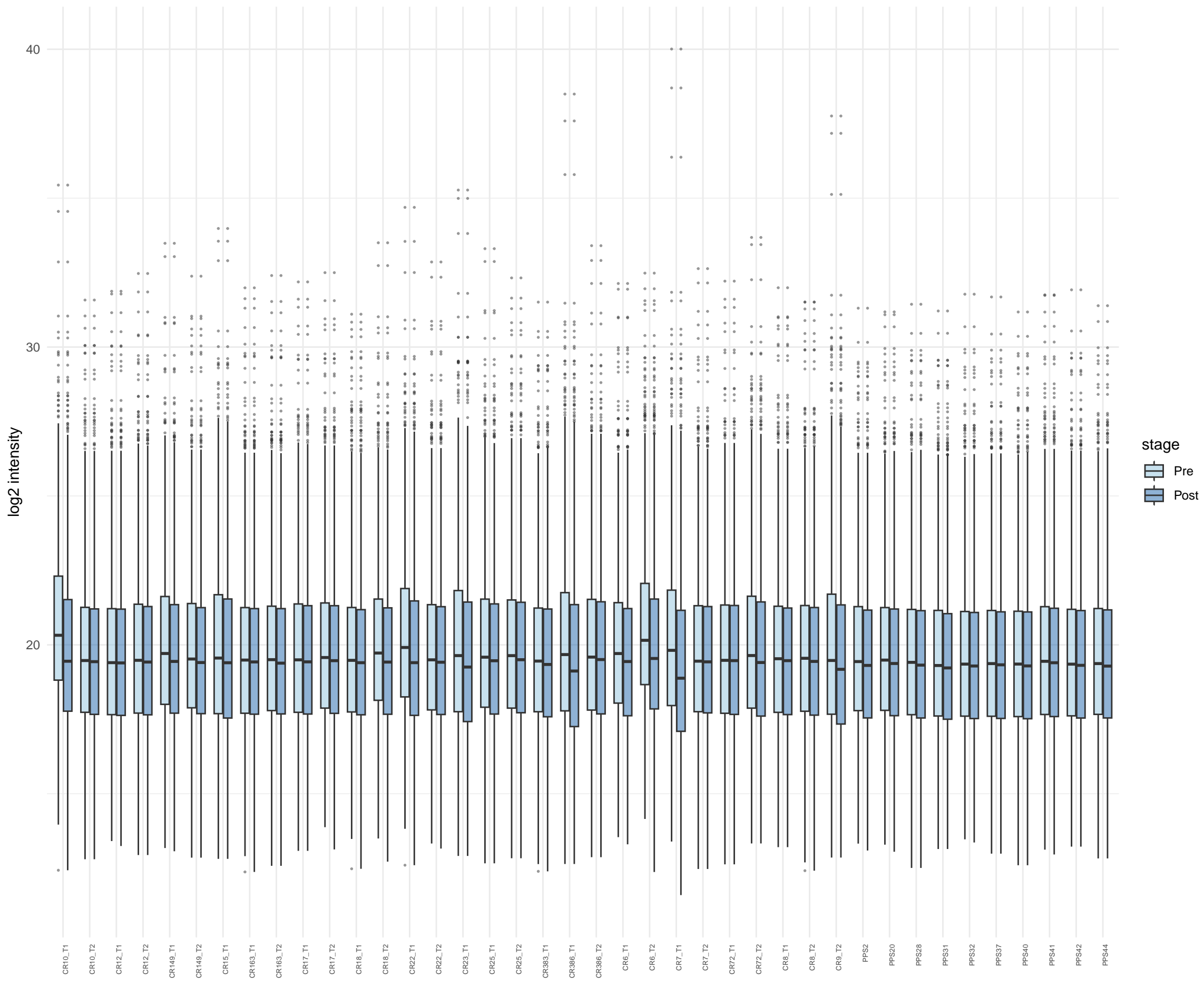
D: PCA pre-imputation (normalized, outlier-removed)



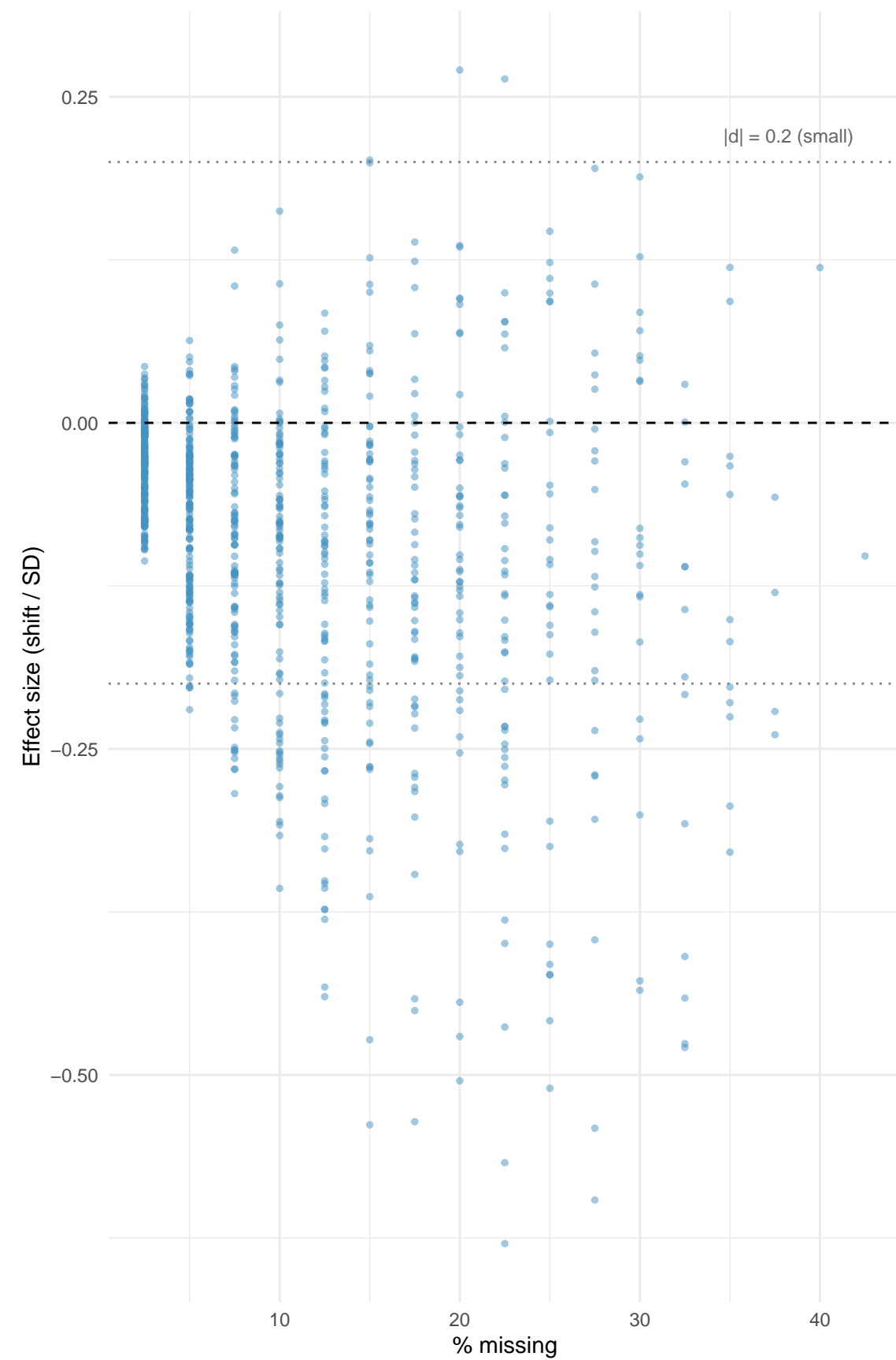
E: PCA post-imputation (bpca)



F: Per-sample log2 distributions (pre vs post imputation)



G: Imputation effect on protein means (Cohen's d)



H: Sample-level mean shift (identity line = no change)

